

09498503 SOUTH FORK PARKER CREEK NEAR ROOSEVELT, AZ

LOCATION.--Lat 33°47'50", long 110°57'35", in NE1/4NW1/4 sec. 7, T.5 N., R.14 E., Gila County, Hydrologic Unit 15060103, in Tonto National Forest, 1.5 mi upstream from confluence with Pocket Creek, and 12 mi northeast of Roosevelt.

DRAINAGE AREA.--1.09 mi².

PERIOD OF RECORD.--Nov. 1985 to Sept. 1992, June 1994 to current year. Prior to Nov. 1985, station operated by the Forest Service (records unpublished).

GAGE.--Water-stage recorder and two sharp-crested weirs. Elevation of gage is 5,440 ft above sea level, from topographic map.

REMARKS.--Records good, except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 108 ft³/s, Jan. 4, 2005, (estimated); no flow for many days each year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, since 1934, 270 ft³/s, Dec. 23, 1945, as reported by the Forest Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 108 ft³/s Jan. 4 (estimated). Minimum daily discharge, no flow for many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.01	0.03	e1.4	1.3	e2.0	0.44	0.14	0.03	0.00	0.00	0.01
2	0.00	0.01	0.03	e0.92	1.0	1.5	0.41	0.13	0.03	0.00	0.00	0.01
3	0.00	0.01	0.02	e12	0.60	1.3	0.37	0.13	0.03	0.00	0.00	0.01
4	0.00	0.01	0.03	e49	0.30	1.2	0.36	0.12	0.03	0.00	0.00	0.01
5	0.00	0.01	0.04	e9.6	0.20	5.2	0.33	0.11	0.03	0.00	0.00	0.01
6	0.00	0.01	0.05	e4.2	0.30	8.5	0.31	0.11	0.03	0.00	0.01	0.01
7	0.00	0.01	0.05	e2.2	2.1	7.8	0.29	0.11	0.03	0.00	0.01	3.3
8	0.00	0.01	0.05	e1.2	3.2	6.4	0.28	0.10	0.02	0.00	0.01	0.80
9	0.00	0.01	0.06	e1.1	4.0	4.4	0.27	0.10	0.02	0.00	0.01	0.15
10	0.00	0.01	0.06	e1.4	6.3	3.1	0.26	0.09	0.02	0.00	0.01	0.12
11	0.00	0.01	0.42	e1.8	17	2.4	0.24	0.09	0.02	0.00	0.01	0.11
12	0.00	0.01	0.50	e3.6	e47	1.7	0.22	0.08	0.02	0.00	0.01	0.10
13	0.00	0.01	0.39	e2.7	14	1.4	0.21	0.08	0.02	0.00	0.01	0.10
14	0.00	0.02	0.31	e2.0	7.2	1.3	0.21	0.08	0.01	0.00	0.08	0.10
15	0.00	0.02	0.26	0.90	5.1	1.1	0.20	0.08	0.01	0.00	0.10	0.09
16	0.00	0.02	0.20	0.60	3.8	1.0	0.19	0.08	0.01	0.00	0.04	0.09
17	0.00	0.02	0.17	0.50	2.9	0.91	0.18	0.08	0.01	0.00	0.03	0.07
18	0.00	0.02	0.14	0.60	5.6	0.80	0.17	0.07	0.01	0.00	0.05	0.06
19	0.00	0.02	0.11	e0.73	e36	0.75	0.15	0.07	0.01	0.00	0.05	0.05
20	0.00	0.02	0.10	e0.71	e25	0.82	0.15	0.07	0.01	0.00	0.05	0.05
21	0.00	0.02	0.08	e0.68	e12	0.79	0.15	0.06	0.01	0.00	0.04	0.04
22	0.00	0.04	0.08	e0.64	e12	0.71	0.14	0.06	0.01	0.00	0.03	0.04
23	0.00	0.04	0.06	e0.58	e9.6	0.64	0.15	0.05	0.00	0.00	0.04	0.03
24	0.00	0.02	0.06	e0.54	e5.4	0.59	0.26	0.05	0.00	0.00	0.03	0.03
25	0.00	0.02	0.06	e0.51	e4.1	0.61	0.29	0.05	0.00	0.00	0.03	0.03
26	0.00	0.01	0.05	1.4	e3.4	0.62	0.24	0.04	0.00	0.01	0.03	0.02
27	0.00	0.02	0.04	11	e2.8	0.63	0.20	0.04	0.00	0.01	0.02	0.02
28	0.00	0.03	0.05	4.0	e2.4	0.63	0.18	0.04	0.00	0.01	0.02	0.02
29	0.01	0.03	3.5	1.9	---	0.58	0.17	0.04	0.00	0.00	0.02	0.02
30	0.01	0.03	7.2	1.5	---	0.53	0.15	0.04	0.00	0.00	0.01	0.02
31	0.01	---	e2.9	1.4	---	0.48	---	0.04	---	0.00	0.01	---
TOTAL	0.03	0.53	17.10	121.31	234.60	60.39	7.17	2.43	0.42	0.03	0.76	5.52
MEAN	0.00	0.02	0.55	3.91	8.38	1.95	0.24	0.08	0.01	0.00	0.02	0.18
MAX	0.01	0.04	7.2	49	47	8.5	0.44	0.14	0.03	0.01	0.10	3.3
MIN	0.00	0.01	0.02	0.50	0.20	0.48	0.14	0.04	0.00	0.00	0.00	0.01
AC-FT	0.06	1.1	34	241	465	120	14	4.8	0.8	0.06	1.5	11
CFSM	0.00	0.02	0.51	3.59	7.69	1.79	0.22	0.07	0.01	0.00	0.02	0.17
IN.	0.00	0.02	0.58	4.14	8.01	2.06	0.24	0.08	0.01	0.00	0.03	0.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2005, BY WATER YEAR (WY)

MEAN	0.04	0.11	0.32	0.86	1.46	1.61	0.60	0.08	0.01	0.01	0.06	0.05
MAX	0.37	0.92	1.52	5.33	8.38	5.11	2.77	0.22	0.08	0.03	0.29	0.19
(WY)	2001	2001	1992	1995	2005	1995	1991	1986	1992	1998	1986	1986
MIN	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	1990	1990	1990	1990	2002	2002	2002	2002	1989	1986	1996	1987

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1986 - 2005

ANNUAL TOTAL		83.37		450.29								
ANNUAL MEAN		0.23		1.23						0.42		
HIGHEST ANNUAL MEAN										1.50		1995
LOWEST ANNUAL MEAN										0.00		2002
HIGHEST DAILY MEAN			7.2	Dec 30		49	Jan 4		51	Mar 6	1995	
LOWEST DAILY MEAN			0.00	Jun 4		0.00	Oct 1		0.00	Jun 7	1986	
ANNUAL SEVEN-DAY MINIMUM			0.00	Jun 4		0.00	Oct 1		0.00	Jun 7	1986	
ANNUAL RUNOFF (AC-FT)			165			893			306			
ANNUAL RUNOFF (CFSM)			0.209			1.13			0.388			
ANNUAL RUNOFF (INCHES)			2.85			15.37			5.27			
10 PERCENT EXCEEDS			0.45			2.8			0.90			
50 PERCENT EXCEEDS			0.03			0.05			0.02			
90 PERCENT EXCEEDS			0.00			0.00			0.00			

e Estimated